

HIOKI RM3544 Resistance Meter Upgrade Procedures

Before starting the version upgrade, read these instructions carefully.

Operating Precautions

- Only one instrument can be connected to the computer at a time. Do not connect multiple resistance testers to the computer at the same time.
- During the update, do not unplug the cable, or exit the updater software.

Introduction

The upgrade is performed using a computer via the USB interface.

The procedure involves the following steps.

- General preparations
- Connecting the instrument
- Executing the upgrade procedure
- Checking the version

1. General preparations

1. Before starting the upgrade process, make sure that the following required items are available.
 - Unit to be upgraded (RM3544)
 - USB Cable (A-miniB type) (Note that this type of USB cable is not included in the accessories of Model RM3544 but included in those of Model RM3548 and others.)
 - A computer equipped with USB interface
 - OS : Windows 10 (32bit/64bit)
 - Upgrade files set

2. Connecting the instrument

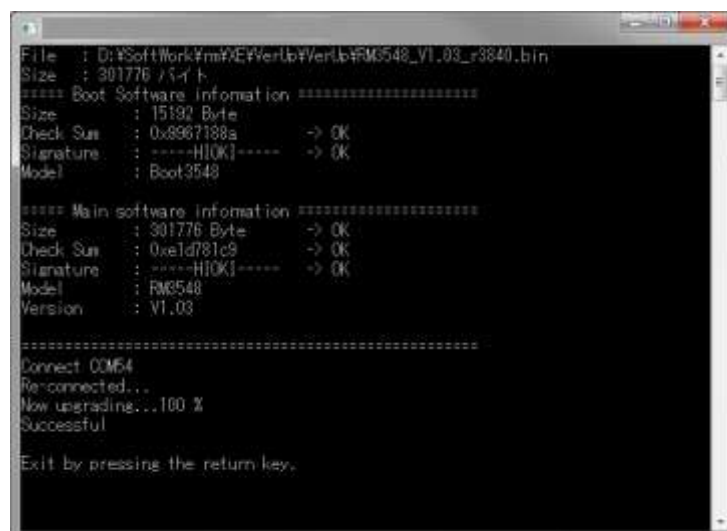
In a power-off state, turn on the power while pressing the [COMP] and [AUTO] keys.

Connect the maintenance terminal (MAINTENANCE ONLY) of the instrument and the computer USB terminal using the USB cable. Note that the maintenance terminal is different from normal USB terminals.

Only one instrument can be connected to the computer at a time. Do not connect multiple resistance testers to the computer at the same time. Disconnect all USB-connected Hioki products.

3. Executing the upgrade procedure

- (1) Execute the "RM3544Vup.bat" file
- (2) While the program is being transferred, the progress is indicated by a percent figure.
 - When the transfer is completed, the indication will be 100% and the process terminates.
 - During the update, do not unplug the cable, remove the batteries, or exit the updater software.
- (3) Press 'Enter' key on the computer's keyboard to terminate the version upgrade program.



```
File : D:\Soft\Work\rm\AE\FerUp\FerUp\RM3548_V1.03_r3840.bin
Size : 301776 / 1.41 卜
***** Boot Software Information *****
Size : 15192 Byte
Check Sum : 0x8967188a -> OK
Signature : -----HIOKI----- -> OK
Model : Boot3548

***** Main software Information *****
Size : 301776 Byte -> OK
Check Sum : 0xe1d781c9 -> OK
Signature : -----HIOKI----- -> OK
Model : RM3548
Version : V1.03

*****
Connect COM54
Re-connected...
Now upgrading...100 %
Successful

Exit by pressing the return key.
```

4. Checking the version

The version number are displayed on the power-on. Check it is correct.

This completes the upgrade procedure.

The five files used during the upgrade are no longer needed and can be deleted from the computer.

Repeated calibration or inspection due to the upgrade are not required.

If the update fails

Review "Operating Precautions" when updating the instrument. If the update fails, repeat the process starting with "2. Connecting the instrument."

If the instrument display shows "Err:090," connected it as-is to the computer with the USB cable.

The updater software will display "RM3544? [Y/N]." Enter "Y."

If the instrument does not turn on, it needs to be repaired.